

Title (en)  
BATTERY PACK AND VEHICLE COMPRISING BATTERY PACK

Title (de)  
BATTERIEPACK UND FAHRZEUG MIT BATTERIEPACK

Title (fr)  
BLOC-BATTERIE ET VÉHICULE COMPRENANT UN BLOC-BATTERIE

Publication  
**EP 4257419 A3 20240110 (EN)**

Application  
**EP 23193862 A 20200921**

Priority

- KR 20190130070 A 20191018
- EP 20875883 A 20200921
- KR 2020012731 W 20200921

Abstract (en)

Disclosed is a battery pack, which includes a pack case having a predetermined accommodation space, a plurality of battery modules accommodated in the pack case and having a plurality of battery cells stacked on each other, at least one partition isolation member disposed to compart the plurality of battery modules in a direction parallel to a stacking direction of the plurality of battery cells, a plurality of bus bar members configured to electrically connect the plurality of battery modules, a plurality of relay units connected to the plurality of bus bar members, and an outer resistor unit connected to the plurality of relay units and provided at one inner side of the pack case.

IPC 8 full level

**H01M 10/48** (2006.01); **B60L 3/00** (2019.01); **B60L 50/64** (2019.01); **B60L 58/18** (2019.01); **B60L 58/24** (2019.01); **H01M 50/204** (2021.01); **H01M 50/249** (2021.01); **H01M 50/284** (2021.01); **H01M 50/289** (2021.01); **H01M 50/507** (2021.01); **H01M 50/581** (2021.01)

CPC (source: EP KR US)

**B60L 3/0046** (2013.01 - EP KR US); **B60L 50/64** (2019.01 - EP KR US); **B60L 58/18** (2019.01 - EP KR US); **B60L 58/24** (2019.01 - EP KR); **H01M 10/482** (2013.01 - KR); **H01M 10/486** (2013.01 - EP KR US); **H01M 10/625** (2015.04 - KR); **H01M 10/637** (2015.04 - KR); **H01M 10/658** (2015.04 - KR); **H01M 50/204** (2021.01 - EP KR US); **H01M 50/24** (2021.01 - KR); **H01M 50/249** (2021.01 - EP KR US); **H01M 50/258** (2021.01 - KR); **H01M 50/284** (2021.01 - EP KR); **H01M 50/289** (2021.01 - EP KR US); **H01M 50/502** (2021.01 - KR); **H01M 50/507** (2021.01 - EP KR US); **H01M 50/572** (2021.01 - KR); **H01M 50/581** (2021.01 - EP KR US); **H01M 2200/00** (2013.01 - KR); **H01M 2220/20** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

- [X] JP 2015089170 A 20150507 - MITSUBISHI MOTORS CORP
- [A] EP 0964470 A1 19991215 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] WO 2018163736 A1 20180913 - AUTONETWORKS TECHNOLOGIES LTD [JP], et al
- [A] US 2019260096 A1 20190822 - NAKAJIMA TAKAYUKI [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3996185 A1 20220511**; **EP 3996185 A4 20220831**; CN 112687997 A 20210420; CN 213692207 U 20210713; DE 202020005980 U1 20231204; EP 4257419 A2 20231011; EP 4257419 A3 20240110; JP 2022507868 A 20220118; JP 7225399 B2 20230220; KR 20210046404 A 20210428; US 2022393320 A1 20221208; WO 2021075743 A1 20210422

DOCDB simple family (application)

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